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The twin-arginine translocation network of *Bacillus subtilis*

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Document Version

Publisher's PDF, also known as Version of record

Publication date:

2012

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Monteferrante, C. G. (2012). *The twin-arginine translocation network of Bacillus subtilis*. [Thesis fully internal (DIV), University of Groningen]. [S.n.].

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Stellingen

Behorende bij het proefschrift

The twin-arginine translocation network of *Bacillus subtilis*

- The secret to creativity is knowing how to hide your sources (Albert Einstein).
- Luria Bertani medium does not exist (This thesis).
- Dietro ogni problema c'è un'opportunità - For every problem there is an opportunity (Galileo Galilei).
- Science is a series of judgments, revised without ceasing (Pierre Emile Duclaux, French biochemist, bacteriologist).
- It remains a major scientific challenge to unravel the specific mechanism of protein translocation across biological membranes via the Tat translocase (This thesis).
- Proteases have a cooperative and tightly balanced role in the quality control of substrates accepted by the *B. subtilis* Tat system (This thesis).
- During the evolution of *B. subtilis* as a colonizer of ecological niches in the soil and plant rhizosphere, there must have been a particularly high selective pressure on phosphate acquisition (This thesis).
- Growth of *B. subtilis* under microaerobic conditions require a high-affinity uptake system for Fe(II), which is clearly reflected by the EfeUOB transport system (This thesis).
- The WprA protease is active right at the exit of the Tat translocation channel where it can remove substrates that are not correctly folded or transported across the membrane (This thesis).
- Tat-dependently secreted proteins of *B. subtilis* are not by definition protease-resistant (This thesis).
- Do I really look like a guy with a plan? You know what I am? I'm a dog chasing cars. I wouldn't know what to do with one if I caught it! You know, I just, do things. (The Joker speaking to Two-Face; quote from The Dark Knight).